

Appendix C - Monitoring Program Data

Inventory of Known Major Outfalls

Lab Analysis Sheets

Major Outfalls Inventory

Inventory ID #	Feature Type	Location	Land Use
Galloway Creek Watershed			
GW010C371	47"x31" box culvert	4300 blk S Lone Pine Ave at Ragan Ct; channel drains into Galloway Creek	Residential – Crystal Creek & Glendale Hills neighborhoods
GW020A372	2@ 36" CMP	East side of RR in 3500 blk S Lone Pine Ave; channel drains into Galloway Creek	Residential – Chimney Hills Place & Valley Park neighborhoods
GW020B373	2@ 42" RCP	West side of 3200 blk S Ingram Mill Rd; drains into lake	Commercial & Residential – Fox Grape Plaza 1 st – 5 th additions
GW060B374	48" RCP	SE corner Barataria St & Chantilly Ave; drains into tributary of Galloway Creek	Residential – Brentmoor & Brentwood neighborhoods
GW070C375	36" RCP	SE corner Luster Ave & Sunset St; drains into tributary of Galloway Creek	Residential – Brentwood Estates
GW050C376	42" CMP	400 ft. south of 2500 blk E Sunshine St, west side of RR; drains into tributary of Galloway Creek	Industrial – General Electric Company
GW040D377	2@ 42" CPVC & RCP pipes	1855 S Ingram Mill Rd; drains into detention channel flowing to north Southern Hills lake	Commercial – east of Hwy 65 & Sunshine St
GW040D378	60" RCP	1855 S Ingram Mill Rd; drains into detention channel flowing to north Southern Hills lake	Commercial – from north along Sunshine St
GW050C379	8.5'x3' box culvert	SW corner of 2620 E Sunshine St; drains into tributary of Galloway Creek	Residential & Commercial – Oakwood Park Addition, Sunshine St
GW040G380	48" CMP	2900 blk E Eastmoor Dr; drains to detention channel flowing to north Southern Hills lake	Commercial – Southern Hills and Forest Hills shopping centers
GW040D381	2@ 38"x60" HECP	3103 E Topping Circle; drains to channel flowing to north Southern Hills lake	Residential – Empire Estates and Southern Hills Place
GW070E384	42" RCP	SE corner of Glenstone & Sunset; drains to tributary of Galloway Creek	Residential & Commercial – Brentwood Terrace 2 nd , Battlefield Mall
GW070D385	22'x4' box culvert	South side of Sunset St. at Brentwood Ave; drains to tributary of Galloway Creek	Residential – Brentwood Terrace 2 nd
Ward Branch Watershed			
WD08B4	38"x60" HECP	1062 E Pendleton Place	Residential – Iron Bridge & National Place
WD03B-65	2@ 7'x3' box culvert	1200 blk E Bradford Pkwy; drains into NW corner of lake	Commercial – Bradford Park
WD02C7	42" RCP	1465 E Primrose St; drains into channel flowing to Bradford Park lake	Commercial – east along Primrose St
WD02B6	60" RCP	1465 E Primrose St; drains into tributary of Ward Branch	Residential – Southvale Terrace
WD01W9	2@ 30" RCP	East side of 1630 E Bradford Pkwy; drains into Ward Branch	Commercial – Primrose Center
WD01W10	42" RCP	3700 blk S Weller; drains into Ward Branch	Commercial – north along Bradford Pkwy
WD03E-211	36" RCP	3801 S National Ave; drains into Ward Branch	Commercial – Cox South Medical Center
WD04A-512	72" RCP	SW corner of 3801 S National Ave; drains to detention channel flowing into Ward Branch	Commercial – Cox South Medical Center
WD05A13	2@ 72" RCP	1035 E Republic Rd; drains to channel flowing into Ward Branch	Commercial – National Plaza
WD03C15	36" RCP	4109 S National Ave; drains to channel flowing into Ward Branch	Commercial – Bradford Park South Phases 2-9
Jordan Creek Watershed			
JD19B116	Channel – drains area >50 acres	NE corner of 1200 block of W Nichols and RR; drains to tributary of Jordan Creek	Commercial, Residential, small % industrial – Division/Commercial Street area, Englewood, Crescent, and Queen City neighborhoods
JD20A117	48" RCP	SE corner of Kansas Expy & Walnut St; drains into Jordan Creek	Commercial & Industrial – areas to the north along Kansas Expy

SOUTHWEST WASTEWATER PLANT LABORATORY

SPRINGFIELD, MISSOURI

METAL ANALYSIS DATA

SAMPLE NUMBER: 5979
 SAMPLE NAME: STORM WATER 001

SAMPLE DATE: 4/7/03
DATE SUBMITTED: 4/7/03
TIME SUBMITTED: 16:45
SAMPLE TYPE: GRAB
SUBMITTED BY: LAMB
SET UP BY: LAMB

SAMPLE CODE: SE
REMOVED BY
TIME SAMPLER IN
TIME SAMPLER OUT
METER START
METER END

COMMENTS:
 PCB + 603

ALL METALS METHOD EPA 200.7

MERCURY METHOD EPA 245.1

Total Metal Analysis

UG/L

CU
 CR <10
 ZN <5
 CD <5
 PB <20
 N1 <10
 AG <5
 FE
 HG <0.2
 MN
 BA
 SE <20
 AS <20
 AL
 SB <20
 B
 CO
 TI
 BE <20
 TL <50
 K
 NA
 MO
 CA
 MG
 CR+6
 V

Total Recoverable Metal Analysis

UG/L

CU
 CR
 ZN
 CD
 PB
 N1
 AG
 FE
 HG
 MN
 BA
 SE
 AS
 AL
 SB

 CO
 TI
 BE
 TL

 NA
 MO
 CA
 MG
 CR+6
 V

Total Dissolved Metal Analysis

UG/L

CU
 CR
 ZN
 CD
 PB
 N1
 AG
 FE
 HG
 MN
 BA
 SE
 AS
 AL
 SB

 CO
 TI
 BE
 TL

 NA
 MO
 CA
 MG
 CR+6
 V

CALCULATED HARDNESS MG EQ CaCO3/L

**SOUTHWEST WASTEWATER PLANT LABORATORY
SPRINGFIELD, MISSOURI
PESTICIDE DATA ANALYSIS**

SAMPLE NUMBER: 5979
SAMPLE NAME: STORM WATER 001

SAMPLE DATE: 4/7/03
SAMPLE CODE: SE

SAMPLE TYPE: GRAB
SUBMITTED BY: LAMB

ORGANIC COMMENTS:

PESTICIDE EPA METHOD: 624

PESTICIDE CONC UNITS: UG/L

<u>COMPOUND</u>		<u>COMPOUND</u>	
ALDRIN	<0.005	ENDRIN	<0.005
ALPHA-BHC	<0.005	ENDRIN ALDEHYDE	<0.005
BETA-BHC	<0.005	HEPTACHLOR	<0.005
GAMMA-BHC (LINDANE)	<0.005	HEPTACHLOR EPOXIDE	<0.005
DELTA-BHC	<0.005	PCB-1242	<20
CHLORDANE	<0.005	PCB-1254	<20
4,4-DDT	<0.005	PCB-1221	<10
4,4-DDE	<0.005	PCB-1232	<10
4,4-DDD	<0.005	PCB-1248	<20
DIELDRIN	<0.005	PCB-1260	<20
ALPHA-ENDOSULFAN	<0.005	PCB-1016	<20
BETA-ENDOSULFAN	<0.005	TOXAPHENE	<0.025
ENDOSULFAN SULFATE	<0.005		

NR = NOT RUN

SOUTHWEST WASTEWATER PLANT LABORATORY

SPRINGFIELD, MISSOURI

ACID/BASE NEUTRAL ORGANIC ANALYSIS

SAMPLE NUMBER: 5979

SAMPLE NAME: STORM WATER 001

SAMPLE DATE: 4/7/03

SAMPLE CODE: SE

SAMPLE TYPE: GRAB

SUBMITTED BY: LAMB

ORGANIC COMMENTS:

B/NEPA METHOD 625

B/NCONC UNITS UG/L

ACIDS EPA METHOD 625

ACIDS CONC UNITS UG/L

BASE NEUTRAL ORGANIC COMPOUNDS

N-NITROSODIMETHYLAMINE	<10
BIS(2-CHLOROETHYL) ETHER	<10
1,3-DICHLOROBENZENE	<10
1,4-DICHLOROBENZENE (BN)	<10
1,2-DICHLOROBENZENE (BN)	<10
BIS 2-CHLOROISOPROPYLE ETHER	<10
HEXACHLOROETHANE	<10
N-NITROSODI-N-PROPYLAMINE	<10
NITROBENZENE	<10
ISOPHORONE	<10
BIS 2-CHLOROETHOXY METHANE	<10
1,2,4-TRICHLOROBENZENE	<10
NAPHTHALENE	<10
HEXACHLOROBUTADIENE	<10
HEXACHLOROCYCLOPENTADIENE	<10
2-CHLORONAPHTHALENE	<10
DIMETHYLPHTHALATE	<10
ACENAPHTHYLENE	<10
2,6-DINITROTOLUENE	<10
ACENAPHTHENE	<10
2,4-DINITROTOLUENE	<10
DIETHYLPHTHALATE	<10
FLUORENE	<10
4-CHLOROPHENYL PHENYL ETHER	<10
N-NITROSODIPHENYLAMINE	<10
1,2-DIPHENYLHYDRAZINE	<10
4-BROMOPHENYL PHENYL ETHER	<10
HEXACHLOROBENZENE	<10
PHENANTHRENE	<10
ANTHRACENE	<10

BASE NEUTRAL ORGANIC COMPOUNDS

DI-N-BUTYLPHTHALATE	<10
FLUORANTHENE	<10
BENZIDINE	<10
PYRENE	<10
BUTYLBENZYLPHTHALATE	<10
BENZO(A) ANTHRACENE	<10
3,3-DICHLOROBENZIDINE	<10
CHRYSENE	<10
BIS(2-ETHYLHEXYL) PHTHALATE	<10
DI-N-OXYLPHTHALATE	<10
BENZO(B) FLUORANTHENE	<10
BENZO(K) FLUORANTHENE	<10
BENZO(A) PYRENE	<10
INDENO(1,2,3-C,D) PYRENE	<10
DIBENZO(A,H) ANTHRACENE	<10
BENZO(B,H,I) PERYLENE	<10
2,3,7,8 TCDD (DIOXIN)	<10
BROMOMETHOXYNAPHTHALENE	<10

ACID ORGANIC COMPOUNDS

PHENOL	<10
2-CHLOROPHENOL	<10
2-NITROPHENOL	<20
2,4-DIMETHYLPHENOL	<10
2,4-DICHLOROPHENOL	<10
P-CHLORO-M-CRESOL	<10
2,4,6-TRICHLOROPHENOL	<10
2,4-DINITROPHENOL	<25
4,6-DINITRO-O-CRESOL	<25
PENTACHLOROPHENOL	<25
4-NITROPHENOL	<25

nR = NOT RUN

**SOUTHWEST WASTEWATER PLANT LABORATORY
SPRINGFIELD, MISSOURI
VOLATILE ORGANIC ANALYSIS**

SAMPLE NUMBER: 5979

SAMPLE NAME: STORM WATER 001

SAMPLE DATE: 4/7/03

SAMPLE CODE: SE

SAMPLE TYPE: GRAB

SUBMITTED BY: LAMB

ORGANIC COMMENTS:

VOLATILE EPA METHOD: 624

VOLATILE CONC UNITS: UG/L

COMPOUND

CHLOROMETHANE:	<10
VINYL CHLORIDE:	<10
CHLOROETHANE:	<10
BROMOMETHANE:	<10
ACROLEIN:	<12
ACRYLONITRILE:	<22
METHYLENE CHLORIDE:	<5
TRICHLOROFLUOROMETHANE:	<10
1,1-DICHLOROETHYLENE:	<1
1,1-DICHLOROETHANE:	<1
TRANS1,2-DICHLOROETHYLENE:	<1
CHLOROFORM:	<1
1,2-DICHLOROETHANE:	<1
1,1,1-TRICHLOROETHANE:	<1
CARBON TETRACHLORIDE:	<1
BROMODICHLOROMETHANE:	<1
1,2-DICHLOROPROPANE:	<1

COMPOUND

TRANS 1,3-DICHLOROPROPENE:	<1
TRICHLOROETHYLENE:	<1
BENZENE:	<5
CIS 1,3-DICHLOROPROPENE:	<1
1,1,2-TRICHLOROETHANE:	<1
DIBROMOCHLOROMETHANE:	<1
BROMOFORM:	<1
1,1,2,2-TETRACHLOROETHYLENE:	<1
1,1,2,2-TETRACHLOROETHANE:	<1
TOLUENE:	<5
CHLOROBENZENE:	<5
ETHYLBENZENE:	<5
2-CHLOROETHYL VINYL ETHER:	<10
DICHLORODIFLUOROMETHANE:	<10
BIS(CHLOROMETHYL) ETHER:	<10
XYLENE:	<10

NR = NOT RUN